BRUHATH BANGALORE MAHANAGARA PALIKE

Yelahanka Division, Yelahanka Zone

Executive Engineer
Yelahanka Division
B.B.M.P.Bengaluru-64

Original/Duplicate

APPROVED SCHEDULE-'B'

NAME OF THE WORK : Providing Borewell water pipe lines Water Supply works at ward no.3

Sl	Description	Unit	Approved Quantity	Approved Rate Technical Manager (West) KRIDL, BBMP,	
				Rate	Rate In Words
1	Geophysical investigation of site for sinking borewell for supplying drinking water to the habitation either through the hand pump, MWS or P.W.S.S. by vertical electrical sounding by adopting venner or schlumbergers's method, including reconnaissance survey of geological formation, Geological investigation of existing ground water in vicinity, its quality, quantity & acceptability of the users indicating the location of site, recommended depth of casing pipe required to seal the top unconsolidated formation including an extra depth of 1.0 mtr in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc	Each	12.00	2065.00	Rupees Two Thousand Sixty Five Only
2	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welding including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including yield testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, cap etc.,	Mtr			

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	Description	Unit	Approved Quantity	Approved Rate Technical Manager (West) KRIDL, BBMP,	
				Rate	Rate In Words
	0.00 to 50.00 Mtr.		600.00	315.80	Rupees Three Hundred Fifteen And Paise Eighty Only
	50.00 to 100.00 Mtr.		600.00	412.60	Rupees Four Hundred Twelve And Paise Sixty Only
	100.00 to 150.00 Mtr.		600.00	458.35	Rupees Four Hundred Fifty Eight And Paise Thirty Five Only
	150.00 to 200.00 Mtr.		600.00	484.10	Rupees Four Hundred Eighty Four And Paise Ten Only
	200.00 to 250.00 Mtr.		600.00	560.32	Rupees Five Hundred Sixty And Paise Thirty Two Only
	250.00 to 300.00 Mtr.		600.00	600.49	Rupees Six Hundred And Paise Forty Nine Only
	300.00 to 350.00 Mtr.		600.00	622.00	Rupees Six Hundred Twenty Two Only
3	Supplying of ISI Mark 175 mm nominal bore medium black ERW casing pipe of 5mm thick black electric resistance continous welded midle steel tube material confirming to IS 1387/!993 and manufactured from hot rolled steel skelp/stripes in random length of 4 to 7 mtr both ends threaded confirming to IS 554/1985 one end(including of all taxes)	Rmt	600.00	1325.00	Rupees One Thousand Three Hundred Twenty Five Only
4	Providing and fixing 250mm dia PVC pipe and as per specification and directions.	Rmt	72.00	1100.00	Rupees One Thousand One Hundred Only

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	Description	Unit	Approved Quantity	Approved Rate Technical Manager (West) KRIDL, BBMP,	
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	Description	Unit	Approved Quantity	Approved Rate Technical Manager (West) KRIDL, BBMP,	
				Rate	Rate In Words
5	175 mm dia M.S. Casing cap	Each	12.00	100.00	Rupees One Hundred Only
6	supply of 175mm M.S collars each	Each	84.00	150.00	Rupees One Hundred Fifty Only
7	Supply & delivery at site brand new texmo/innoval/lubi/sabar /Atalanta/calamal/ waterman/Radha make suitable HP deep well submercible pumpset suitable for vertical installation in 150 dia borewells compressing of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water squirrel cagesubmercible induction motor suitable for operation of 3Ph, 50Hz.380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc Complete the pump and motor shall from an integral unit with all the required fittings 15HP/11KW 25 stage	Set	7.00	63986.90	Rupees Sixty Three Thousand Nine Hundred Eighty Six And Paise Ninety Only
8	Providing, laying & jointing GI pipes confirming to IS specification of approved make with fittings such as collars bends elbows tees nipples plugs with cuts threads using white lead & threads for joints wherever necessary as per direction including all lead & lift etc,. complete 'A' grade(excluding cost of fittings) 50mm dia GI pipe	Rmt	2100.00	542.72	Rupees Five Hundred Forty Two And Paise Seventy Two Only
9	Coller	Each	189.00	212.00	Rupees Two Hundred Twelve Only
10	Supplying and drawing 3 core PVC Sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper conductor confirming to table 3 class 5 of IS: 8130-1984 and virgin grade PVC insulation and sheathed suitable for working voltage upto 1100 volts 4 sqmm of 56 strands 0.3mm dia	Rmt	1995.00	164.29	Rupees One Hundred Sixty Four And Paise Twenty Nine Only

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	Description	Unit	Approved Quantity	Approved Rate Technical Manager (West) KRIDL, BBMP,	
				Rate	Rate In Words
11	Supplying & delivery at site brand new / Essen / Lotus sunsines/Adarsh/ Gk controls best indigenous make combine energy meter-cum-control panel board unit of size 1200 x 600 x 300 mm minimum mechanically strong and vermin and water proof the unit shall have two detachable doors suitable for operation on 3ph, 50Hz, 380/440 volts, AC supply with spring loaded latch locking with a key ribs should be provided inside the door , canopy apron and louvers ventilators shall be provided the combine energy mtr cum control panel board unit suitable for operation on 3ph, 50Hz, 380/440 AC supply shall be consisted etc,. completed T panel board shall be fabricated on single unit in the above components panel board for suitable pumpset above components panel board for suitable pumpset above 6.50 HP to 15.00 HP with star delta starter (MR)	No's	7.00	14800.00	Rupees Fourteen Thousand Eight Hundred Only
12	Fabricating supplying and mounting MS box of 16 SWG suitable for floor / wall mounting, fully weather proof with provision for better hear description, (providing with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished 2 coats of red oxide primes paint and finally finished with approved colour enamelled metal paint etc,. complete box of 21600 sq cm	Sqm Cm	154000.00	0.34	Rupees And Paise Thirty Four Only
13	Providing & Fixing of clamps set and borewell cap to the pump (MR)	Set	7.00	1800.00	Rupees One Thousand Eight Hundred Only
14	Supplying & delivery of brand new best make non return valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark	No's	14.00	1016.95	Rupees One Thousand Sixteen And Paise Ninety Five Only
15	Supplying and delivery of brand new best make Gate Valve of size 50mm as per IS: 778/84 with latest amendments with ISI mark . 50mm Gate Valve for distributer pipeline. 50mm dia	No's	28.00	1482.21	Rupees One Thousand Four Hundred Eighty Two And Paise Twenty One Only

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	Description	Unit	Approved Quantity	Approved Rate Technical Manager (West) KRIDL, BBMP,	
				Rate	Rate In Words
16	Providing and fixing of 50mm GI Shortbend to motor	No's	14.00	232.14	Rupees Two Hundred Thirty Two And Paise Fourteen Only
17	Providing and fixing of 50mm GI union to the motor	No's	14.00	237.12	Rupees Two Hundred Thirty Seven And Paise Twelve Only
18	suppling & fixing of 50mm GI Elbow	No's	14.00	111.80	Rupees One Hundred Eleven And Paise Eighty Only
19	Labour charges for erection of new /repaired submersible pumpset along with GI pipes (32/50mm) cable (new submersible pumpset if required will be supplied by the department free of cost and released pump set should be handed over to department) including transportation (each length = 6.00m)	Per length	364.00	90.64	Rupees Ninety And Paise Sixty Four Only
20	Erection of combined panel board meter board with all necessary materials and labour including providing CC 1:3:6 foundation bed etc,. Complete for basement out door type. (MR)	No's	7.00	475.00	Rupees Four Hundred Seventy Five Only
21	Supplying and fixing miniature circuit breakers/isolators in existing MCB distribution boards using necessary fixing materials and wiring complete as required, 40 to 63 Amps DP	No's	7.00	906.40	Rupees Nine Hundred Six And Paise Forty Only
22	Supplying and laying of L.T.U.G Cable having aluminiumconductor PVC insulated shethed galvanised steel wire/ steel tape armoured cable with PVC outer sheathing 1.1 KV class 4 core 16 sqmm cable	Mtr	245.00	169.95	Rupees One Hundred Sixty Nine And Paise Ninety Five Only
23	Digging of trenches of 0.6mm x 0.50 Mtrs wide refilling the trench to the required ground level and consolidating etc,. Complete sutting road surfaces	Mtr	245.00	56.65	Rupees Fifty Six And Paise Sixty Five Only
24	Supplying and fixing Class-A GI Pipe on pole/ wall/drain crossing with necessary clamping arrangements for UG Cable of 1.1 KV class 40mm	Mtr	21.00	249.26	Rupees Two Hundred Forty Nine And Paise Twenty Six Only

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	Description	Unit	Approved Quantity	Approved Rate Technical Manager (West) KRIDL, BBMP,	
				Rate	Rate In Words
25	Supplying and fixing wiring earth electrode for grounding conduits, IC cutouts and other equipments on the meter board using 40mm dia 2.90 mm thick GI pipe 2.5 mtr long buried in a pit,/ the pit should be filled with equal proportion of salt and charocal 150 mm alround the pipe to complete depth the connections from the pipe to the conduit etc,. is to be established though GI wire of size as per ISI specification 7.3.3 of ISI 732 using 12mm dia boalts, nuts washers and checknuts etc,. the pipe shall have 16 through holes of 122mm dia	No's	7.00	1699.50	Rupees One Thousand Six Hundred Ninety Nine And Paise Fifty Only
26	Supply and fixing LT cast iron pot heads suitable for 1.1 KV class 16 sqmmUG cable filled with necessary bitumen/ insulating compound complete with terminals, clamps, bolts nuts and washers etc,	No's	7.00	271.92	Rupees Two Hundred Seventy One And Paise Ninety Two Only
27	Supplying shunt capacitor's confirming to IS 2834, 3phase 400/440 volts grade for power factor improvement of roating machinery capacitor in KVAR rating No's. (MR)	No's	7.00	1350.00	Rupees One Thousand Three Hundred Fifty Only
28	Providing and fixing Gun Metal Gate wheel valve confirming to IS specification of approved make as per direction including all lead and lift etc,. Complete. 50mm dia	No's	7.00	778.04	Rupees Seven Hundred Seventy Eight And Paise Four Only
29	Supplying and fixing of polished wood board made of not less than 15mm thick plank on both sides with planks made out on not more than 2 pieces and fixing the same to wall using tapered inverted wooden plugs screws etc., Size 20 x 20 x 2.5 inches	No's	7.00	311.58	Rupees Three Hundred Eleven And Paise Fifty Eight Only
30	Erection of pumping machineries	No's	7.00	900.00	Rupees Nine Hundred Only
31	KPTCL Deposit charges	L/S	7.00	13300.00	Rupees Thirteen Thousand Three Hundred Only
32	Borewell registration charges per Rs 1000 each for BWSSB	Rs	7.00	1000.00	Rupees One Thousand Only

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	Description	Unit	Approved Quantity	Approved Rate Technical Manager (West) KRIDL, BBMP,	
				Rate	Rate In Words
33	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinery soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications.	Cum	706.58	316.94	Rupees Three Hundred Sixteen And Paise Ninety Four Only
34	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling & testing of joints complete (external work) 50mm nominal OD pipes (Page No.99, Item No. 13.87.6)	Rmtr	1442.00	457.92	Rupees Four Hundred Fifty Seven And Paise Ninety Two Only
35	Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications.	Cum	151.41	2001.28	Rupees Two Thousand One And Paise Twenty Eight Only
36	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms^thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.	Cum	151.41	5421.90	Rupees Five Thousand Four Hundred Twenty One And Paise Ninety Only

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	Description	Unit	Approved Quantity	Approved Rate Technical Manager (West) KRIDL, BBMP,	
				Rate	Rate In Words
37	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum) (Page No. 175.tem No.22.6.1,PW,P & IWTD SR 2018-19)	Cum	151.41	5210.96	Rupees Five Thousand Two Hundred Ten And Paise Ninety Six Only
38	Filling available earth around pipe lines cable in layers not exceeding 20cms, in depth compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m including cost all labour complete as per specifications (Page No.6 Item No. 2.10)PW,P&IWTD SR 2018-19	Cum	706.58	213.06	Rupees Two Hundred Thirteen And Paise Six Only

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